

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

5. Lease Designation and Serial No.

U-31738 ✓

6. If Indian, Allottee or Tribe Name

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil Well ☒Gas Well ☐

Other

Single Zone ☐Multiple Zone ☐

2. Name of Operator

Florida Exploration Company

3. Address of Operator

Box 5025, Denver, Colorado 80217

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface

1634' FEL &amp; 1725' FSL

At proposed prod. zone

Same

14. Distance in miles and direction from nearest town or post office\*

Approximately 21 miles NW of Cisco

15. Distance from proposed\*

location to nearest  
property or lease line, ft.  
(Also to nearest drig. line, if any)18. Distance from proposed location\*  
to nearest well, drilling, completed,  
or applied for, on this lease, ft.

1666

16. No. of acres in lease

588.40

19. Proposed depth

3450

17. No. of acres assigned  
to this well

40

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

G.L. 5611

12. County or Parrish 13. State

GRAND

UT

22. Approx. date work will start\*

April 15, 1983

## 23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
11"	8-5/8"	24	± 300'	± 200 sx Class 'G' w/2% gel
7-7/8"	5 1/2"	15.50	± 3450'	± 100 sx Class 'G' w/2% gel

We propose to drill the above well to test the Brushy Basin Formation and test any shows deemed worthy of test and to run casing as above or P & A in accordance with instructions received from the BLM & Utah O & G Commission. See attached 30E sketch and Attachment I.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 1/13/83

BY: [Signature]

RECEIVED  
JAN 13 1983DIVISION OF  
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed: [Signature]

Title: Division Engineer

Date: 1/5/83

(This space for Federal or State office use)

Permit No. ....

Approval Date .....

Approved by .....

Title .....

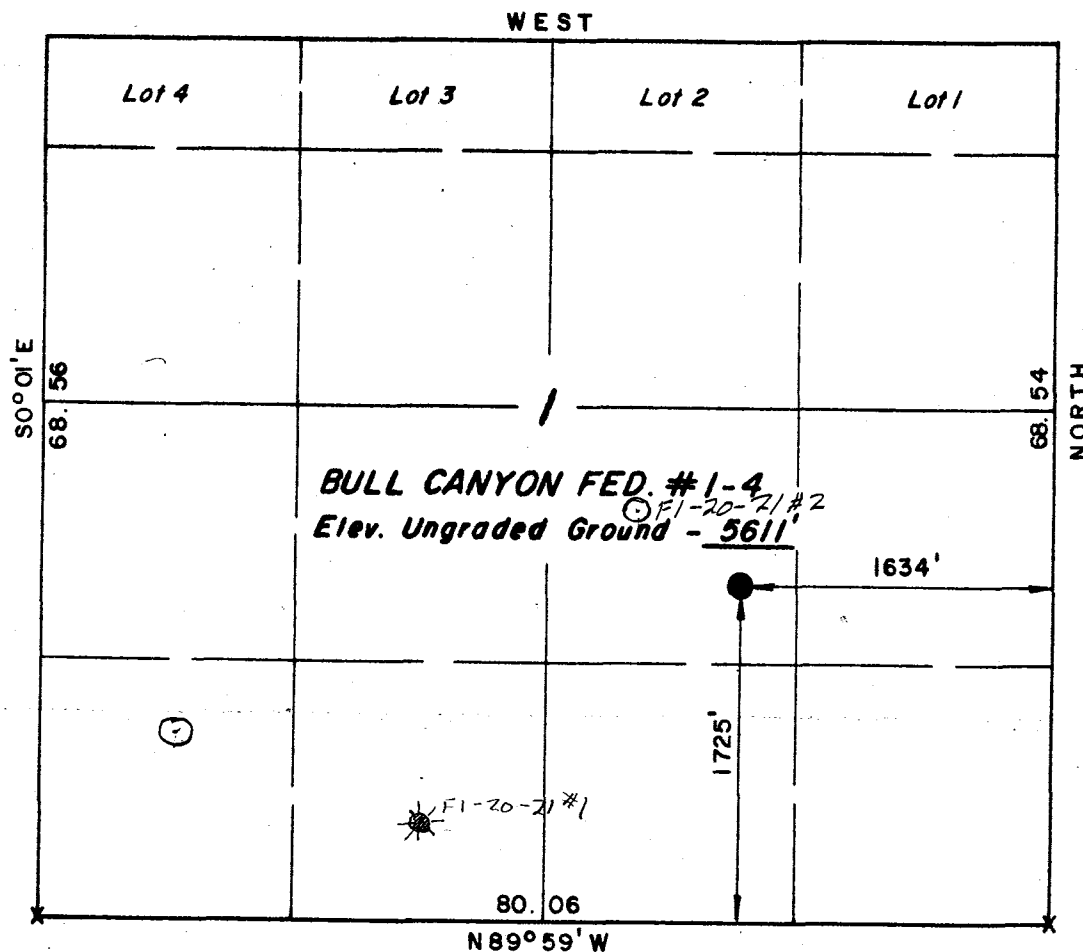
Date .....

Conditions of approval, if any:

**T 20 S , R 21 E , S.L.B. & M.**

**PROJECT**  
**FLORIDA EXPLORATION CO.**

Well location, **BULL CANYON**  
**FED. #1-4**, located as shown in the  
NW1/4 SE1/4 Section 1, T20S, R21E,  
S.L.B. & M. Grand County, Utah.



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*Lawrence C. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 3137  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
**P.O. BOX Q - 85 SOUTH - 200 EAST**  
**VERNAL, UTAH - 84078**

SCALE	1" = 1000'	DATE	11/5/82
PARTY	DA DB RS RS RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	FLORIDA EXPLORATION

X = Section Corners Located

Needs lease plat  
as per tel with  
Kathy Mc Knight. Asked  
for Henry's return  
call.

1-17-83

Yorru

Rec'd 2/14/83 w/ lease  
plat for #1-3 Bull Canyon

OPERATOR FLORIDA EXPLORATION CO

DATE 1-17-83

WELL NAME BULL CANYON FED 1-4

SEC NW SE 1

T 20S

R 21E

COUNTY GRAND

43-019-31038

API NUMBER

FED

TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

HL

☒☐

NID

☒

PI

☐☐

MAP

☒☐

PROCESSING COMMENTS:

NO WELLS WITHIN 400'

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

c-3-a

102-162 11-15-79

CAUSE NO. & DATE

☐

c-3-b

☐

c-3-c

SPECIAL LANGUAGE:

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☒ VERIFY ADEQUATE AND PROPER BONDING *FED*

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☒ APPLY SPACING CONSIDERATION

☐ ORDER 102-16B

☐ UNIT 10

☐ c-3-b

☐ c-3-c

☒ OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

February 17, 1983

Florida Exploration Company  
Box 5025  
Denver, Colorado 80217

RE: Well No. Bull Canyon 1-4  
NWSE Sec. 1, T.20S, R.21E  
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with the Order issued in Cause No. 102-16B dated November 15, 1979.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Engineer  
Office: 533-5771  
Home: 571-6068

OR

CLEON B. FEIGHT - Director  
Office: 533-5771  
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-31038.

Sincerely,

  
Ronald J. Firth  
Chief Petroleum Engineer

RJF/as  
cc: Oil & Gas Operations  
Enclosure

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR  
Florida Exploration Company

3. ADDRESS OF OPERATOR  
Box 5025, Denver, Colorado 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface  
1634' FEL & 1725' FSL  
At proposed prod. zone  
Same

5. LEASE DESIGNATION AND SERIAL NO.  
U-31738

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
-

7. UNIT AGREEMENT NAME  
SALT LAKE CITY, UT

8. FARM OR LEASE NAME  
Bull Canyon Federal

9. WELL NO.  
1-4

10. FIELD AND POOL, OR WILDCAT  
Bull Canyon, Brushy Basin

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 1-T20S-R21E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Approximately 21 miles NW of Cisco

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
1666

16. NO. OF ACRES IN LEASE  
588.40

17. NO. OF ACRES ASSIGNED TO THIS WELL  
40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
3450

19. PROPOSED DEPTH  
3450

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
G.L. 5611

22. APPROX. DATE WORK WILL START\*  
April 15, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24	± 300'	± 200 sx Class 'G' w/2% gel
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We propose to drill the above well to test the Brushy Basin Formation and test any shows deemed worthy of test and to run casing as above or P & A in accordance with instructions received from the BLM & UTAH O & G Commission. See attached BOPE sketch, NTL-6, Ten-Point Compliance Program and related exhibits.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED David D. Hartley TITLE Division Engineer DATE 1/3/83  
(This space for Federal or State office use)

PERMIT NO. WPM APPROVED BY E. W. Goyette DATE MAR 22 1983  
CONDITIONS OF APPROVAL, IF ANY: District Oil & Gas Supervisor

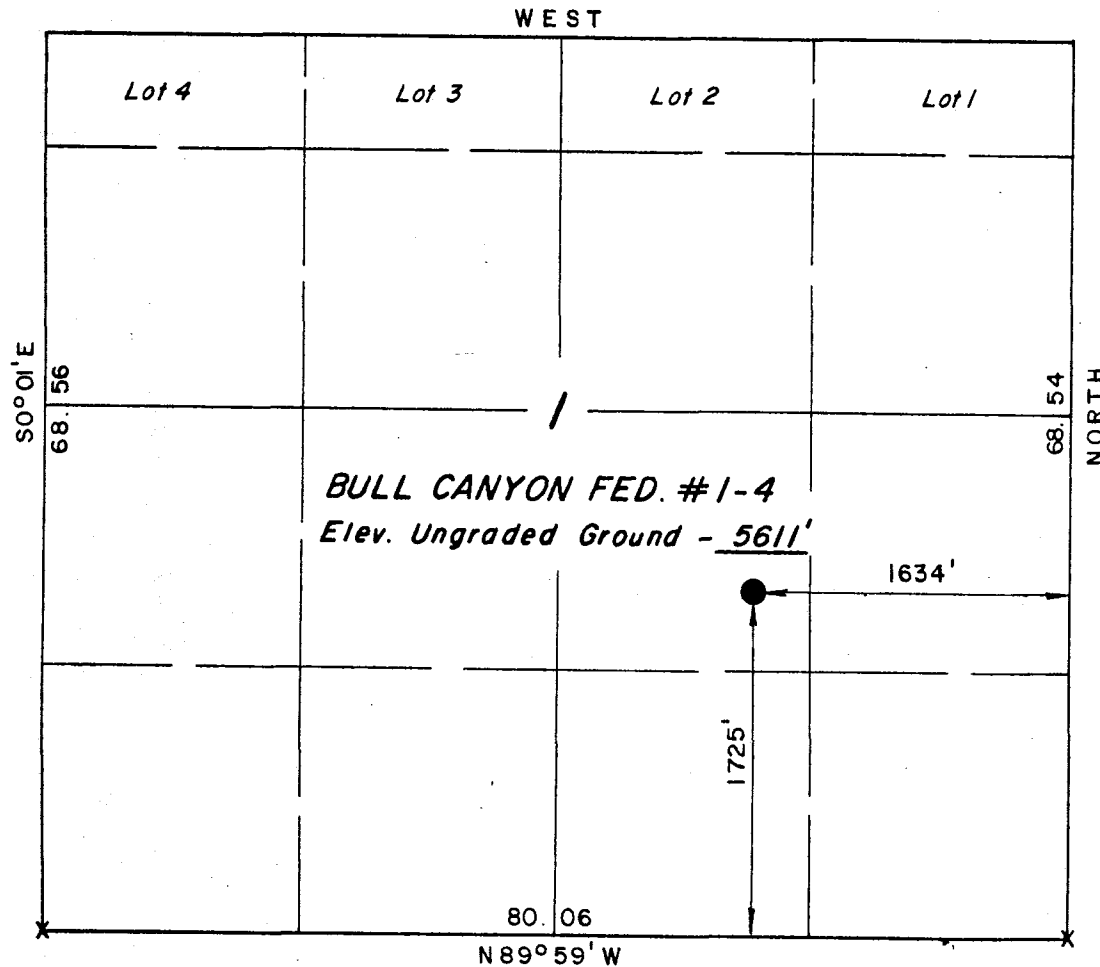
NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY  
FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

STATE 046

*T 20 S , R 21 E , S.L.B. & M.*

PROJECT  
FLORIDA EXPLORATION CO.

Well location, *BULL CANYON*  
*FED. #1-4*, located as shown in the  
 NW 1/4 SE 1/4 Section 1, T20S, R21E,  
 S.L.B. & M. Grand County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
 FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
 SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
 BEST OF MY KNOWLEDGE AND BELIEF.

*Lawrence C. Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO 3137  
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
 P. O. BOX Q - 85 SOUTH - 200 EAST  
 VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	11/5/82
PARTY	DA DB RS RS RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	FLORIDA EXPLORATION

X = Section Corners Located



Florida Exploration Company  
Well No. 1-4  
Section 1, T. 20 S., R. 21 E.  
Grand County, Utah  
Lease U-31738

Supplemental Stipulations

- 1) Construction of planned access road on lease U-31738 will be limited to an allowable travel surface width of 18 feet. The total disturbed width will be 24 feet. For construction design and survey refer to Class III road standards attachment.
- 2) The top 2 inches of soil material will be saved and windrowed on the uphill side along the access.
- 3) The top 4 inches of soil material will be removed from the location and stockpiled separate from the trees on the north-east side of the location.
- 4) All disturbed areas will be scarified with a contour to a depth of 6 inches.
- 5) Fencing for the pits will be 36 inch woven wire with a single strand of barbed wire on top.
- 6) Access road will be located at the northwest edge of the location.
- 7) A portable trash cage will be used for disposal of trash and will be hauled to a local town dump site. Do not leave any trash in pits.
- 8) Any burning will require a permit from the State Land Forestry and Fire Control Office in Moab. Contact Paul Pratt at (801) 259-6316.
- 9) All above ground production facilities will be painted using the attached suggested colors.
- 10) The operator or his contractor will contact the Grand Resource Area BLM Office in Moab, Utah 48 hours prior to starting rehabilitation work that involves earth-moving equipment and upon completion of restoration measures.
- 11) No construction will begin before April 1 to protect wild life winter range.

- 12) Adequate and sufficient electric/radioactive logs will be run to locate and identify anticipated coal beds in the Dakota formation. Please also provide two copies of drilling logs. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the coal resource. Surface casing program may require adjustment for protection of fresh water aquifers.
- 13) A temperature profile of the well should be run from the surface to T.D. to aid in identification of any potential geothermal resource. This can be accomplished by monitoring the temperature in the return line from the well head periodically while drilling.

# SEED MIXTURE

<u>Species</u>		<u>Rate</u> <u>lbs/acre</u>
<u>Grasses</u>		
Oryzopsis hymenoides	Indian ricegrass	1
Hilaria jamesii	Galleta (Curlygrass)	2
<u>Forbs</u>		
Melilotus officinalis	Yellow sweetclover	1
Sphaeralcea coccinea	Scarlet globemallow	1
<u>Shrubs</u>		
Atriplex nuttallii cuneata	Wedgeleaf nuttall saltbush	1
Atriplex confertifolia	Shadscale	2
Total		8

Broadcast seed will be applied at double the above rate.

Seeding will be done in the fall of the year (Oct. - Dec.)



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

### SUGGESTED COLORS TO PAINT OIL & GAS

#### PRODUCTION FACILITIES

##### Cisco Desert and Flats below the Bookcliffs:

[REDACTED]

Tumbleweed (Pratt & Lambert)

Sage Gray (Pratt & Lambert)

##### Bookcliffs Region:

Sage Gray (Pratt & Lambert)

Sea Life (Pratt & Lambert)

[REDACTED]

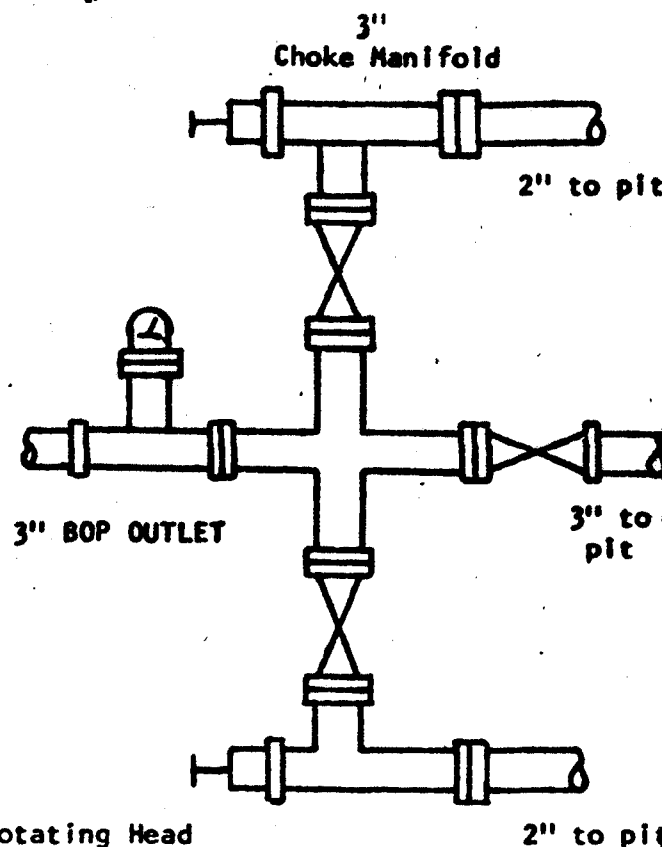
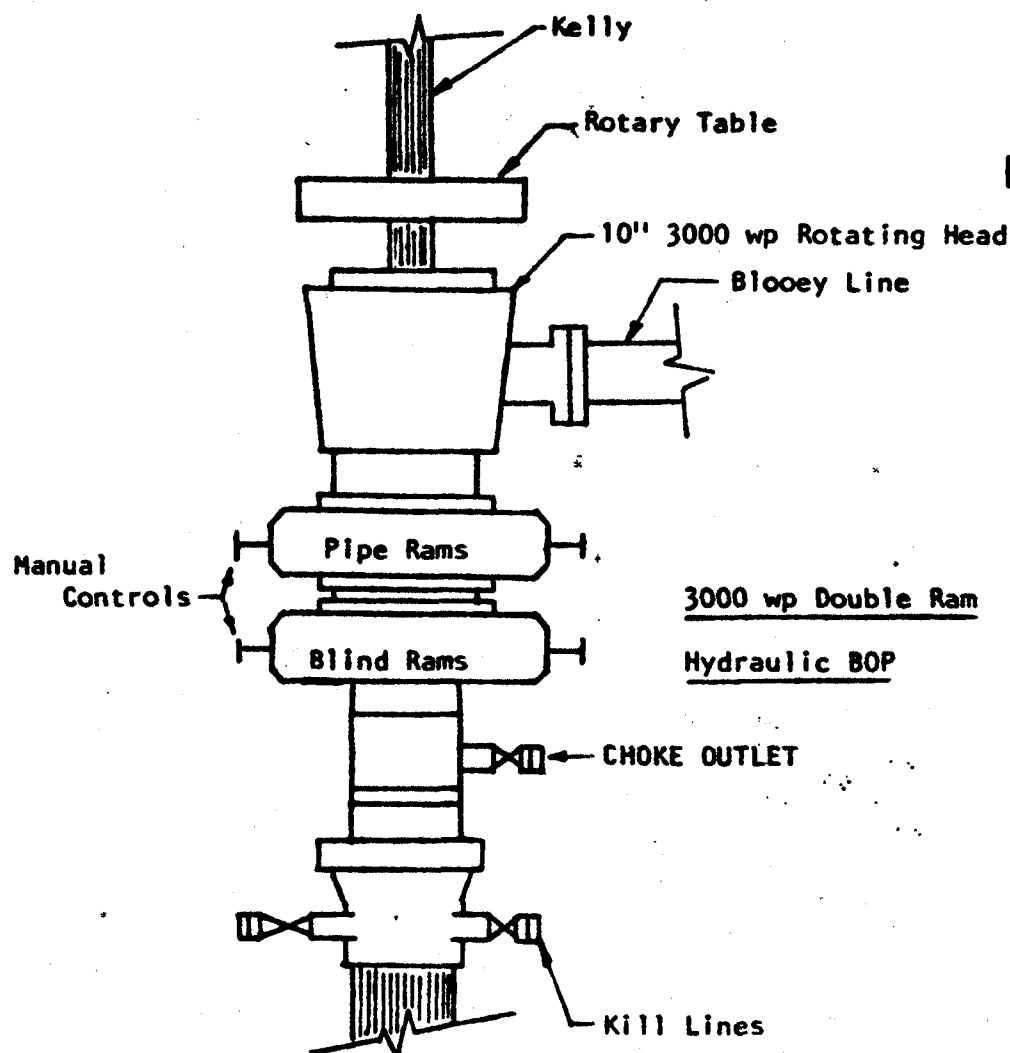
Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.

ADDITIONAL REQUIREMENTS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

- (1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
- (2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.
- (3) All disturbed areas not required for operations will be rehabilitated.
- (4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.
- (5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.
- (6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.
- (7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.
- (8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.
- (9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.
- (10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.
- (11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.
- (12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

# TYPICAL BOPE SCHEMATIC FOR AIR DRILLING



After nipping up on surface casing, but before drilling out cement, the Bop shall be tested to 80 % of rated pressure

FLORIDA EXPLORATION COMPANY

Bull Canyon Federal #1-4

ATTACHMENT I

Supplementary Information

1. Surface Formation: Mancos Shale

2. Important Geological Formations: Dakota Silt: 2810'  
Cedar Mountain: 3070'  
Morrison (Brushy Basin): 3110'  
Middle Brushy Basin SS: 3165'  
Salt Wash: 3350'

3. Oil is expected in the Brushy Basin Formation. No water bearing formations are anticipated.

4. Casing Program:

Surface: 8-5/8", 24# per ft, K-55, ST&C, new casing to  $\pm$  300'.  
Production: 5 1/2", 15.50# per ft, K-55, LT&C, new casing to TD.

5. Pressure Control: (See BOPE sketch)

- A. 10" x 8-5/8", 900 series slip-on and weld casing head for drilling below surface casing.
- B. 10", 3000# WP dual ram blow-out preventers and a 10", 900 series rotating head. All choke lines, choke manifold, valves, fitting, etc., will have a minimum pressure rating of 3000 psi.
- C. All BOP equipment will be pressure tested to 80% of rated pressure prior to drilling out the surface casing shoe and tested daily for mechanical operations.

6. Mud Program:

0'-300': Mud at company discretion to maintain good hole conditions to run surface casing. Minimum mud weight with viscosity as required for good hole cleaning.

300'-TD: Air drilled using foaming agents as hole conditions dictate for adequate hole cleaning. An over-supply of material will be maintained on location at all times to respond to any problems encountered.

7. Auxiliary Equipment:

Kelly cock with stabbing valve on floor. No floats will be used in the drill string.

Mud or sample monitoring will be visually.

8. Testing, Logging and Coring:

No cores or DST's are planned.

Logs are as follows: Surface casing to TD - Dual Induction Laterolog/MSFL and FDC/CNL.

Proposed Completion Program:

After evaluating the logs perforate desired intervals. Swab and if necessary, frac. Appropriate Sundry Notices will be submitted prior to actual work when actual well parameters are known.

9. Abnormal Hazards:

Neither abnormal pressures, temperatures nor potential hazards, such as hydrogen-sulfide gas is expected. The BHP is a normal .433 psi per ft gradient and could be slightly underpressured.

10. Anticipated Spud Date: April 15, 1983.

Anticipated Duration: 7 days drilling, 10 days completion.



R 21 E

T  
20  
N

T  
20  
N

R 21 W

FLORIDA EXPLORATION COMPANY

HOUSTON • JACKSON • NEW ORLEANS • MIDLAND • DENVER • FRONTIER • OFFSHORE

**BULL CANYON**  
— GRAND CO. UTAH —

DATE: 2/83

SCALE 1" = 2000'

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

NAME OF COMPANY: Florida Exploration

WELL NAME: Bull Canyon Fed. 104

SECTION NWSE 1 TOWNSHIP 20S RANGE 21E COUNTY Grand

DRILLING CONTRACTOR Colorado Well Service

RIG # 66

SPODDED: DATE 5-22-83

TIME 10:30 PM

HOW Rotary

DRILLING WILL COMMENCE

REPORTED BY Ray Riehemann

TELEPHONE # 307-468-9256

DATE 5-23-83 SIGNED AS

NOTICE OF SPUD

Company: Florida Exploration

Caller: \_\_\_\_\_

Phone: \_\_\_\_\_

Well Number: Bull Canyon Sed. 1-4

Location: NW SE 1-205-21E

County: Grand State: Utah

Lease Number: U-31738

Lease Expiration Date: \_\_\_\_\_

Unit Name (If Applicable): \_\_\_\_\_

Date & Time Spudded: 5-22-83, 10:30 p.m.

Dry Hole Spudder/Rotary: Colnado Well Service #66

Details of Spud (Hole, Casing, Cement, etc.) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Rotary Rig Name & Number: \_\_\_\_\_

Approximate Date Rotary Moves In: \_\_\_\_\_

FOLLOW WITH SUNDRY NOTICE

Call Received By: jt

Date: 5-23-83

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

PRINT IN TRIPLICATE\*  
(Other instructions on reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

4-31738

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Bull Canyon FEDERAL

9. WELL NO.

1-4

10. FIELD AND POOL, OR WILDCAT

Bull Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec 1-T20S-R21E

12. COUNTY OR PARISH

GRAND

13. STATE

Utah

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

FLORIDA EXPLORATION CO

3. ADDRESS OF OPERATOR

Box 5025 DENVER COLO 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface

1634' FEL + 1725' FSL

14. PERMIT NO.

43-019-31038

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

G.L 5611

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐  
☐  
☐  
☐  
☐

PULL OR ALTER CASING

☐  
☐  
☐  
☐  
☐

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐  
☐  
☐  
☐  
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Spud &amp; Surface Notification

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

☐  
☐  
☐  
☐  
☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spud @ 10:30 PM 5/22/83. Ran 7 Jts - 9 5/8", 36#, K-55  
STNC casing Set @ 287'. Cem w/ 160 sx class 'G'  
w/ 270 CaCl<sub>2</sub> + 1/4 pps Floccul. Plug down @ 10 AM  
5/23/83

# RECEIVED

MAY 31 1983

DIVISION OF  
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Michael D. Smith

TITLE DIVISION ENGINEER

DATE

5/26/83

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPPLICATE\*  
(Other instructions on reverse side)

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <u>Dry Hole</u>		5. LEASE DESIGNATION AND SERIAL NO. <u>U-31738</u>
2. NAME OF OPERATOR <u>FLORIDA EXPLORATION CO</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR <u>Box 5025 DENVER CO 80217</u>		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) <u>At surface</u> <u>1634' FEL + 1725' FSL</u>		8. FARM OR LEASE NAME <u>Bull CANYON FEDERAL</u>
14. PERMIT NO. <u>43-019-31038</u>		9. WELL NO. <u>1-4</u>
15. ELEVATIONS (Show whether DF, RT, OR, etc.) <u>G.L. 5611</u>		10. FIELD AND POOL, OR WILDCAT <u>Bull CANYON</u>
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>SEC 1-T20S-R21E</u>
		12. COUNTY OR PARISH <u>GRAND</u>
		13. STATE <u>Utah</u>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

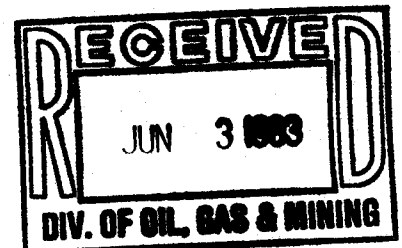
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The above well was plugged and abandoned on 5/28/83 as follows:

Depth	Quantity Cem	Plug Length	Type Cem.
3400-3173 (1)	60 SY	227	'H'
2000-1773 (2)	60 SY	227	'H'
400-199 (3)	60 SY	201	'H'
66-0 (4)	25 SY	66	'H'

Plug #3 pumped with 4 90 C<sub>9</sub>CL<sub>2</sub>. WOC 2 1/2 hrs and TAG CEM. per plugging orders. Permission recd from Department on 5/27/83 to plug

ACCEPTED  
APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE 5/30/83  
BY: [Signature]



18. I hereby certify that the foregoing is true and correct

SIGNED Charles D. Smith TITLE DIVISION ENGINEER DATE 5/30/83

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other <input type="checkbox"/>						5. LEASE DESIGNATION AND SERIAL NO. U-31738	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>						6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
2. NAME OF OPERATOR Florida Exploration Company						7. UNIT AGREEMENT NAME NA	
3. ADDRESS OF OPERATOR 3151 S. Vaughn Way, #200, Aurora, CO 80014						8. FARM OR LEASE NAME Bull Canyon Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1634' FEL & 1725' FSL At top prod. interval reported below At total depth Same						9. WELL NO. 4	
14. PERMIT NO. 43-019-31038 DATE ISSUED 3-22-83						10. FIELD AND POOL, OR WILDCAT Bull Canyon	
15. DATE SPUDDED 5/22/83 16. DATE T.D. REACHED 5/26/83 17. DATE COMPL. (Ready to prod.) P&A						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 1 T20S R21E	
18. ELEVATIONS (OF, RKB, RT, GR, ETC.)* 5611' GL						12. COUNTY OR PARISH Grand	
19. ELEV. CASINGHEAD						13. STATE Utah	
20. TOTAL DEPTH, MD & TVD 3400'		21. PLUG, BACK T.D., MD & TVD NA		22. IF MULTIPLE COMPL., HOW MANY 0		23. INTERVALS DRILLED BY Rotary	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* NA						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL/SFL Log & FDC/CNL Log						27. WAS WELL CORRED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
9 5/8"	36#	287'		160 sx Class 'G' w/2% CaCl <sub>2</sub> & 4pps Flocele		None	
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
					SIZE	DEPTH SET (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number) NA				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
				NA			
33.* PRODUCTION							
DATE FIRST PRODUCTION NA		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <i>Kathy A. Shea</i>		TITLE Production Technician				DATE 6-1-83	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
			DST's have been forwarded.			

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

\*REPORT OF WATER ENCOUNTERED DURING DRILLING\*

Well Name & Number Bull Canyon Federal #1-4  
Operator FLORIDA EXPLORATION CO Address Box 5025 DENVER, COLO 80217  
Contractor CRC COLORADO WELL Address 2603 E. Main St. Rangely COLO 81640  
Location NW 1/4 SE 1/4 Sec. 1 T. 20S R. 21E County GRAND

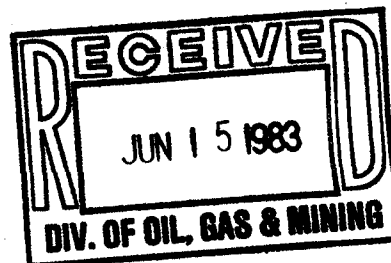
Water Sands

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1. <u>3020</u>	<u>3025 (Dakota)</u>	<u>Trace - Not Measurable</u>	<u>Fresh</u>
2. <u>3170</u>	<u>3186 (Brushy Basin)</u>	<u>"</u>	<u>"</u>
3. <u>3212</u>	<u>3226 (Brushy Basin)</u>	<u>"</u>	<u>"</u>
4. <u>3380</u>	<u>3400 (Salt Wash)</u>	<u>"</u>	<u>"</u>
5. _____	_____	_____	_____

(Continue of reverse side if necessary)

Formation Tops

Remarks



- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.



DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: Florida Exploration Company

WELL NAME: Bull Canyon Federal 1-4

SECTION 1 TOWNSHIP 20S RANGE 21E COUNTY Grand

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 3400'

CASING PROGRAM:

FORMATION TOPS: Salt Wash 3400'

9 5/8", 36# , set @ 287'.

Cmtd w/ 160 sx Class "G" w/2%  
CaCl<sub>2</sub> & 1/4 pps flocele.

PLUGS SET AS FOLLOWS:

60 sx	Class 'H'	3400'-3173'
"	"	2000'-1773'
"	"	400'-199' w/4% Cal CL
25 sx	Class 'H'	66' to surface

Rig Released 11:30 PM , May 28, 1983

DATE June 1, 1983

SIGNED

*Kathy A. Shea*

Well Test Report # 42868 E

— FOR —

FLORIDA EXPLORATION COMPANY

Well Name & No.: BULL CANYON FEDERAL #1-4

County GRAND State UTAH

Test No. 1 Date 5-27-83

Location 20S 21E Sec 1

**RECEIVED**  
JUN 16 1983

DIVISION OF  
OIL, GAS & MINING

**DST  
BASIC  
DATA  
Report**

**Johnston-Macco**  
A DIVISION OF SCHLUMBERGER TECHNOLOGY CORPORATION

# DST BASIC DATA REPORT

## TABLE OF CONTENTS

### FRONT COVER

- ☒ Title Page
- ☒ Table of Contents
- ☒ Report Description Letter
- ☒ DST Data Summary

### SEQUENCE OF EVENTS

- ☒ DST Event Summary
- ☒ Bottomhole Pressure vs. Time Plot (s)
  - ☒ J-200 Gauge # J-1043
  - ☒ J-200 Gauge # J-1243
  - ☐ Gauge # \_\_\_\_\_
  - ☐ Gauge # \_\_\_\_\_
  - ☐ Gauge # \_\_\_\_\_
- ☐ Bottomhole Temperature vs. Time Plot (s)
  - ☐ Gauge # \_\_\_\_\_
  - ☐ Gauge # \_\_\_\_\_
- ☐ Fluid Fill-up Pressure vs. Time Plot
  - ☐ Gauge # \_\_\_\_\_
- ☐ Teleflow Data Summary
  - ☐ Initial Flow & Shut-in Periods
  - ☐ Final Flow & Shut-in Periods
- ☐ Surface Pressure vs. Time Plot

### APPENDICES

- ☒ DST Equipment Configuration
- ☒ Bottomhole Pressure vs. Time Data
  - ☒ J-200 Gauge # J-1043
  - ☐ Gauge # \_\_\_\_\_
  - ☐ Gauge # \_\_\_\_\_
  - ☐ Gauge # \_\_\_\_\_
  - ☐ Gauge # \_\_\_\_\_
- ☐ Fluid Fill-up Pressure vs. Time Data
  - ☐ Gauge # \_\_\_\_\_
- ☐ TELEFLOW Flow Rate & Surface Pressure vs. Time Data
- ☐ Nomenclature & Units

### BACK COVER

JOHNSTON-MACCO

**Schlumberger**

WESTERN REGION  
1745 STOUT SUITE 300  
DENVER, COLORADO 80202  
(303) 623-0760

JUNE 3, 1983

INTRODUCTION:

DST #1 ON BULLCANYON FEDERAL #1-4 IN GRAND COUNTY, UTAH, WAS A MECHANICALLY SUCCESSFUL STRADDLE TEST. THE REPORTED PIPE RECOVERY INDICATES 1.035 BBLS. DRILLING MUD AND MUDDY WATER WERE RECOVERED ON THIS TEST. THE GAS VOLUME IN THE SAMPLER WHEN CORRECTED TO FINAL FLOWING PRESSURE INDICATES .739 CU.FT. GAS WAS PRESENT IN THE SAMPLE CHAMBER AT TEST CONDITIONS, WITH A GLR OF 98 CU.FT./BBL. THE BOTTOMHOLE PRESSURE LOG INDICATES THE TESTED INTERVAL IS RELATIVELY PERMEABLE, THOUGH NO HYDROCARBONS WERE RECOVERED ON THIS TEST. BOTH THE INITIAL AND THE FINAL SHUT-IN PRESSURE BUILD-UPS APPEAR TO HAVE BEEN OF SUFFICIENT DURATION FOR EXTRAPOLATION OF HORNER SEMI-LOG STRAIGHT LINE.

*Debora Hallford*  
DEBORA HALLFORD

SR. CHART ANALYST

DENVER RESERVOIR EVALUATION DEPT.

FIELD REPORT NO. 42868 E

TEST NO. 1

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

JOHNSTON-MACCO

Schlumberger

Field Report # 42868 E

Denver Region Office  
JOHNSTON-MACCO  
A DIVISION OF SCHLUMBERGER  
TECHNOLOGY CORPORATION  
1745 STOUT, SUITE 300  
DENVER, CO 80202  
PHONE: (303) 623-0760

California Division Office ... (805) 656-1805  
Bakersfield ... (805) 324-6037  
Long Beach ... (213) 423-1478  
Ventura ... (805) 644-7381

Wyoming Division Office ... (307) 235-4683  
Casper Testing, PTS, E/L (307) 266-2632  
Gillette ... (307) 682-3292  
Powell ... (307) 754-3581  
Rock Springs ... (307) 362-3681

Ogden Testing, PTS ... (801) 621-6523  
Vernal Testing ... (801) 789-3709  
Dickinson Testing ... (701) 225-4451  
Williston Testing ... (701) 572-9652

## DST DATA SUMMARY

Company FLORIDA EXPLORATION COMPANYCounty GRANDDate 5-27-83

Location \_\_\_\_\_

Well BULL CANYON FEDERAL #1-4State UTAHTest # 1

<b>HOLE</b>	T.D. <u>3400</u> ft	Test Interval <u>3159</u> ft to <u>3198</u> ft
	Formation <u>BRUSHY BASIN</u>	Packer Depths <u>3154, 3159</u> <u>3198, 3203</u> ft
<b>MUD</b>	Weight <u>8.6</u> lb/gal	Resistivity _____ $\Omega$ -m @ _____ °F
<b>MUD FILTRATE</b>	Chlorides _____ ppm	Nitrates _____ ppm
		Resistivity _____ $\Omega$ -m @ _____ °F
<b>REPORTED PIPE RECOVERY</b>	Fluid 1. <u>DRILLING MUD - (MUDDY WATER)</u>	% Oil _____ Length <u>539</u> ft Volume <u>1.035</u> bbl
	2. _____	_____
	3. _____	_____
	Test Tool 4. _____	_____
<b>PIPE RECOVERY FLUID PROPERTIES</b>	Fluid 1. Resistivity <u>.60</u> $\Omega$ -m @ <u>60</u> °F	Chlorides <u>300</u> ppm Nitrates _____ ppm
	2. _____	_____
	3. _____	_____
	Test Tool 4. _____	_____
	Oil Gravity _____ °API @ _____ °F	
<b>SAMPLE CHAMBER RECOVERY</b>	Fluid 1. Gas _____	Volume <u>.739</u> ft <sup>3</sup> Pressure <u>60</u> psig
	2. Oil _____	_____ cc GOR _____ scf/bbl
	3. MUD _____	<u>1200</u> GLR <u>98</u> scf/bbl
	4. _____	Oil Gravity _____ °API @ _____ °F
<b>BOTTOMHOLE PRESSURE</b>	Period 1. Initial Flow _____	Duration <u>15</u> min Pressures <u>39</u> psia to <u>120</u> psia
	2. Initial Shut-In _____	<u>31</u> <u>120</u> <u>876</u>
	3. Final Flow _____	<u>59</u> <u>121</u> <u>254</u>
	4. Final Shut-In _____	<u>120</u> <u>254</u> <u>896</u>
	5. _____	_____
	6. _____	_____
	Initial Hydrostatic <u>1447</u> psia	Final Hydrostatic <u>1440</u> psia

\*Gas Volume is Corrected to Final Flowing Pressure 254 psia

& Reservoir Temperature 118 °F

## DST EVENT SUMMARY

Field Report # 42868 E

DATE (M/D/Y)	TIME (HR:MIN)	EVENT E.T. (MIN)	EVENT DESCRIPTION	SURFACE PRESSURE (PSIG)	FLOOR MANIFOLD CHOKE SIZE (64ths INCH)
5-27-83	1338	—	SET PACKER 1		
	1340	—	OPENED TEST TOOL FOR INITIAL FLOW 2	0"	Ø
			(OPEN TO BUBBLE HOSE @ SURFACE)		
	1345			3"	
	1350			3"	
	1355	—	CLOSED TEST TOOL FOR INITIAL SHUT-IN 3		
	1425		FINISHED SHUT-IN 4		
	1426	—	OPENED TEST TOOL FOR FINAL FLOW 5		
	1430			1"	
	1445			1"	
	1500			1"	
	1515			1/2"	
	1525			1/2"	
	1526	—	CLOSED TEST TOOL FOR FINAL SHUT-IN 6		
	1726	—	FINISHED FINAL SHUT-IN 7		
	1727	—	UNSEATED PACKER 8		
		—	REVERSED OUT		
		—	BEGAN TRIP OUT OF HOLE		

# BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 42808E

INSTRUMENT NO. J-1043

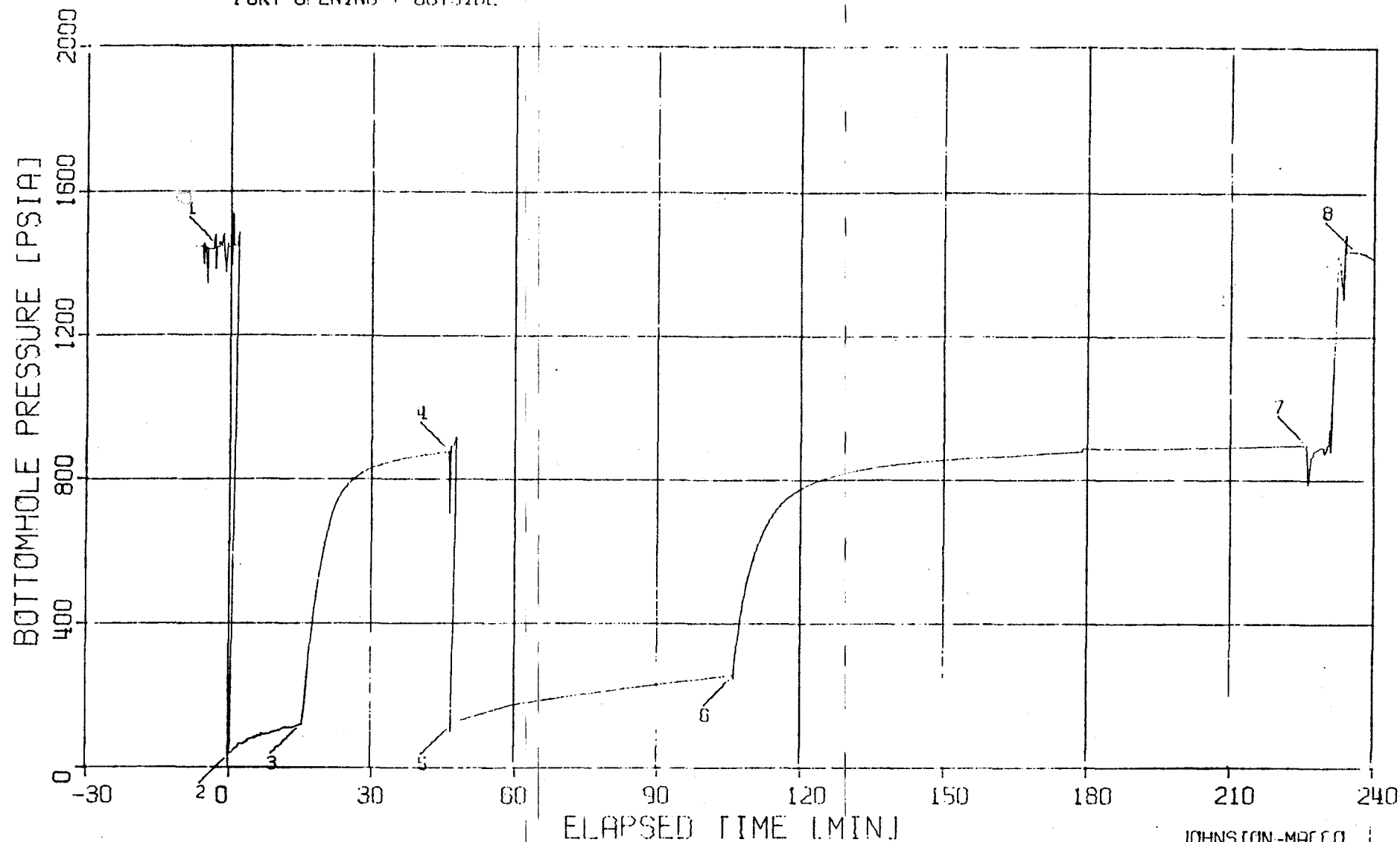
DEPTH : 3170 FT

CAPACITY : 2800 PSI

PORT OPENING : OUTSIDE

COMPANY : FLORIDA EXPLORATION COMPANY

WELL : BULLCANYON FEDERAL #1-4



JOHNSTON-MACCO  
SCHLUMBERGER

FIELD REPORT NO.: 42868 E

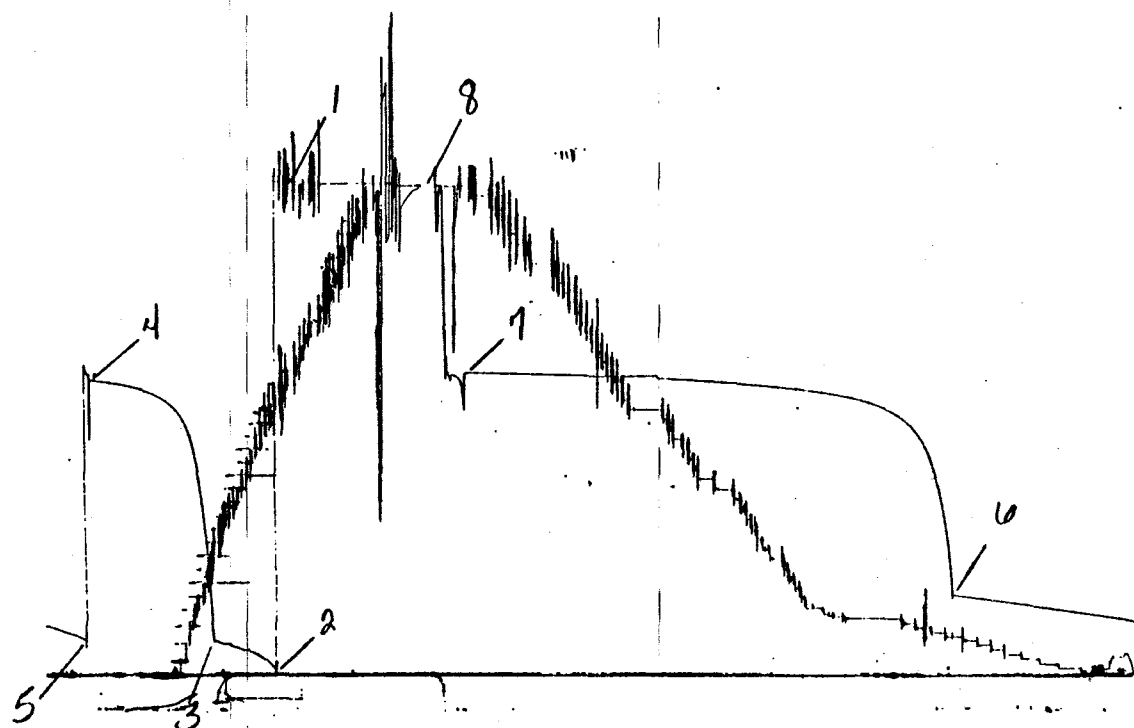
CAPACITY: 2800#

JOHNSTON-MACCO  
Schlumberger

INSTRUMENT NO.: J-1043

NUMBER OF REPORTS: 14

01



1043



# BOTTOM HOLE PRESSURE AND TIME DATA

JOHNSTON & CO

Schlumberger

IS-192-A

INSTRUMENT NUMBER

CAPACITY (P.S.I.)

DEPTH

J-1243

2800 P.S.I.

3205'

PORT OPENING

BOTTOM HOLE TEMPERATURE

FIELD REPORT NUMBER

BELOW-OUTSIDE

118°F

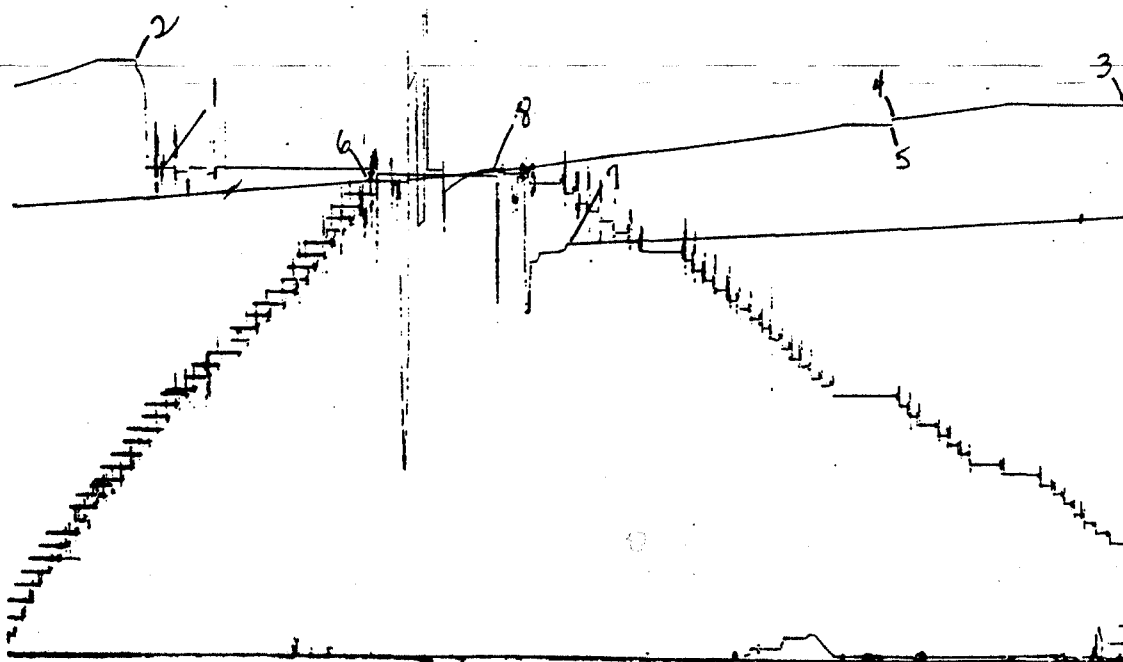
42868 E

DESCRIPTION	LABELED POINTS	PRESSURE (P.S.I.)	GIVEN TIME	COMPUTED TIME
INITIAL HYDROSTATIC MUD	1	1471		
INITIAL FLOW (1)	2	1787		
INITIAL FLOW (2)	3	1685	15	
INITIAL SHUT-IN	4	1636	30	
SECOND FLOW (1)				
SECOND FLOW (2)				
SECOND SHUT-IN				
FINAL FLOW (1)	5	1619		
FINAL FLOW (2)	6	1434	60	
FINAL SHUT-IN	7	1255	120	
FINAL HYDROSTATIC MUD	8	1470		

REMARKS:

INSTRUMENT RUN BELOW STRADDLE PACKERS

02



JOHNSTON-MACCO

Schlumberger

# DST EQUIPMENT CONFIGURATION

Field Report # 42868 E

	COMPONENT	OD (IN)	ID (IN)	LENGTH (FT)	DEPTH (FT)
SURFACE	FLARE (PIT) LINE				
	FLOOR MANIFOLD	—	—	—	—
	FLOW HOSE				—
					—
					—
	CONTROL HEAD				—
	DRILL PIPE ABOVE ROTARY TABLE				R.T.
DRILL PIPE & COLLARS	REVERSE CIRCULAR SUB				
	MFE-BYPASS				
	RECORDER				3135
	JARS				
	SAFETY JOINT	—	—	—	—
TEST TOOL STRING	SAFETY SEAL & PACKER				3154
	PACKER				3159
	PERFORATION				
	RECORDER				3170
	PERFORATION				
	PACKER				3198
	PACKER				3203
	BLANK SUB				
	RECORDER				3205
	PERFORATION				
	DRILL COLLARS				
	BULL PLUG				
	CUSHION TYPE		LENGTH (FT)		SURFACE PRESSURE (PSIG)
NONE					
INTERVAL	Type <u>MFE-STRADDLE</u>	CHARGE	Size _____ in Density _____ spf		
	Size <u>7 7/8</u> in		Gun _____ Total _____ shots		
	Weight _____ lb/ft		Interval(s) _____ ft		

\*\*\*\*\*  
 \* WELL TEST DATA PRINTOUT \*  
 \*\*\*\*\*

FIELD REPORT # : 42868E

COMPANY : FLORIDA EXPLORATION COMPANY  
 WELL : BULL CANYON FEDERAL #1-4

INSTRUMENT # : J-1043  
 CAPACITY [PSI] : 2800.  
 DEPTH [FT] : 3170.0  
 PORT OPENING : OUTSIDE  
 TEMPERATURE [DEG F] : 118.0

LABEL POINT INFORMATION

\*\*\*\*\*

TIME OF DAY DATE	EXPLANATION	ELAPSED TIME, MIN	BOT HOLE PRESSURE PSIA
# HH:MM:SS DD-MM			
*** *****	*****	*****	*****
1 13:37:14 27-MY	HYDROSTATIC MUD	-2.77	1447
2 13:40: 0 27-MY	START FLOW	0.00	39
3 13:55: 4 27-MY	END FLOW & START SHUT-IN	15.07	120
4 14:26: 5 27-MY	END SHUT-IN	46.09	876
5 14:26:41 27-MY	START FLOW	46.69	121
6 15:26: 0 27-MY	END FLOW & START SHUT-IN	106.00	254
7 17:26: 0 27-MY	END SHUT-IN	226.00	896
8 17:35:52 27-MY	HYDROSTATIC MUD	235.87	1440

SUMMARY OF FLOW PERIODS

\*\*\*\*\*

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA
*****	*****	*****	*****	*****	*****
1	0.00	15.07	15.07	39	120
2	46.69	106.00	59.31	121	254

SUMMARY OF SHUTIN PERIODS

\*\*\*\*\*

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA	FINAL FLOW PRESSURE PSIA	PRODUCING TIME, MIN
*****	*****	*****	*****	*****	*****	*****	*****
1	15.07	46.09	31.02	120	876	120	15.07
2	106.00	226.00	120.00	254	896	254	74.38

TEST PHASE : FLOW PERIOD N 1

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
13:40: 0	27-MY	0.00	0.00	39
13:45: 0	27-MY	5.00	5.00	81
13:50: 0	27-MY	10.00	10.00	102
13:55: 0	27-MY	15.00	15.00	120
13:55: 4	27-MY	15.07	15.07	120

TEST PHASE : SHUTIN PERIOD N 1

FINAL FLOW PRESSURE (PSIA) = 120  
PRODUCING TIME (MIN) = 15.07

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
13:55: 4	27-MY	15.07	0.00	120	0	
13:56: 4	27-MY	16.07	1.00	216	95	1.206
13:57: 4	27-MY	17.07	2.00	361	241	0.931
13:58: 4	27-MY	18.07	3.00	466	346	0.780
13:59: 4	27-MY	19.07	4.00	556	435	0.678
14: 0: 4	27-MY	20.07	5.00	627	507	0.604
14: 1: 4	27-MY	21.07	6.00	684	564	0.546
14: 2: 4	27-MY	22.07	7.00	724	604	0.499
14: 3: 4	27-MY	23.07	8.00	751	631	0.460
14: 4: 4	27-MY	24.07	9.00	772	651	0.427
14: 5: 4	27-MY	25.07	10.00	788	667	0.399
14: 7: 4	27-MY	27.07	12.00	811	690	0.353
14: 9: 4	27-MY	29.07	14.00	826	706	0.317
14:11: 4	27-MY	31.07	16.00	838	717	0.288
14:13: 4	27-MY	33.07	18.00	846	726	0.264
14:15: 4	27-MY	35.07	20.00	853	733	0.244
14:17: 4	27-MY	37.07	22.00	859	738	0.227
14:19: 4	27-MY	39.07	24.00	864	743	0.212
14:21: 4	27-MY	41.07	26.00	868	747	0.199
14:23: 4	27-MY	43.07	28.00	871	751	0.187
14:25: 4	27-MY	45.07	30.00	874	754	0.177
14:26: 5	27-MY	46.09	31.02	876	755	0.172

## TEST PHASE : FLOW PERIOD # 2

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA
HH:MM:SS	DD-MM	*****	*****	*****
14:26:41	27-MY	46.69	0.00	121
14:31:41	27-MY	51.69	5.00	144
14:36:41	27-MY	56.69	10.00	164
14:41:41	27-MY	61.69	15.00	179
14:46:41	27-MY	66.69	20.00	188
14:51:41	27-MY	71.69	25.00	198
14:56:41	27-MY	76.69	30.00	206
15: 1:41	27-MY	81.69	35.00	215
15: 6:41	27-MY	86.69	40.00	224
15:11:41	27-MY	91.69	45.00	232
15:16:41	27-MY	96.69	50.00	240
15:21:41	27-MY	101.69	55.00	248
15:26: 0	27-MY	106.00	59.31	254

## TEST PHASE : SHUTIN PERIOD # 2

FINAL FLOW PRESSURE [PSIA] = 254

PRODUCING TIME [MIN] = 74.38

TIME OF DAY	DATE	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
HH:MM:SS	DD-MM	*****	*****	*****	*****	*****
15:26: 0	27-MY	106.00	0.00	254	0	
15:27: 0	27-MY	107.00	1.00	368	114	1.877
15:28: 0	27-MY	108.00	2.00	459	205	1.582
15:29: 0	27-MY	109.00	3.00	522	268	1.412
15:30: 0	27-MY	110.00	4.00	572	318	1.292
15:31: 0	27-MY	111.00	5.00	613	358	1.201
15:32: 0	27-MY	112.00	6.00	648	393	1.127
15:33: 0	27-MY	113.00	7.00	676	421	1.065
15:34: 0	27-MY	114.00	8.00	699	444	1.013
15:35: 0	27-MY	115.00	9.00	718	463	0.967
15:36: 0	27-MY	116.00	10.00	733	479	0.926
15:38: 0	27-MY	118.00	12.00	757	503	0.857
15:40: 0	27-MY	120.00	14.00	774	520	0.800
15:42: 0	27-MY	122.00	16.00	788	533	0.752
15:44: 0	27-MY	124.00	18.00	798	544	0.710
15:46: 0	27-MY	126.00	20.00	806	552	0.674
15:48: 0	27-MY	128.00	22.00	813	559	0.642
15:50: 0	27-MY	130.00	24.00	820	565	0.613
15:52: 0	27-MY	132.00	26.00	825	571	0.587
15:54: 0	27-MY	134.00	28.00	830	576	0.563
15:56: 0	27-MY	136.00	30.00	834	580	0.541
16: 1: 0	27-MY	141.00	35.00	844	589	0.495
16: 6: 0	27-MY	146.00	40.00	851	597	0.456
16:11: 0	27-MY	151.00	45.00	857	602	0.424
16:16: 0	27-MY	156.00	50.00	862	607	0.396

TEST PHASE : SHUTIN PERIOD # 2  
 FINAL FLOW PRESSURE [PSIA] = 254  
 PRODUCING TIME [MIN] = 74.38

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME, MIN	DELTA TIME, MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
*****	*****	*****	*****	*****	*****	*****
16:21: 0	27-MY	161.00	55.00	866	611	0.372
16:26: 0	27-MY	166.00	60.00	870	616	0.350
16:31: 0	27-MY	171.00	65.00	875	620	0.331
16:36: 0	27-MY	176.00	70.00	878	623	0.314
16:41: 0	27-MY	181.00	75.00	887	632	0.299
16:46: 0	27-MY	186.00	80.00	886	632	0.286
16:51: 0	27-MY	191.00	85.00	886	631	0.273
16:56: 0	27-MY	196.00	90.00	887	633	0.262
17: 1: 0	27-MY	201.00	95.00	889	634	0.251
17: 6: 0	27-MY	206.00	100.00	890	636	0.241
17:11: 0	27-MY	211.00	105.00	892	637	0.233
17:16: 0	27-MY	216.00	110.00	893	639	0.224
17:21: 0	27-MY	221.00	115.00	895	640	0.217
17:26: 0	27-MY	226.00	120.00	896	642	0.209

# ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator FLORIDA EXPLORATION Representative Ray Riehemann

Well No. Bull Cyn. 1-4 Location NW 1/4 SE 1/4 Section 1 Township 20S Range 21E

County Grand Field Bull Canyon State Utah

Unit Name and Required Depth \_\_\_\_\_ Base of fresh water sands \_\_\_\_\_

T.D. 3400 Size hole and Fill per sack 7 7/8 " Mud Weight ' and Top \_\_\_\_\_ #/gal. \_\_\_\_\_

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements		
				From	To	Sacks Cement
				3400	3200	60
				2000	1800	60
Formation	Top	Base	Shows	400	200	60
Dakota Silt	2830'			Surface w/marker		25
Dakota Sand	2914'					
Cedar Mtn.	3036'					
Brushy Basin	3117'					
Middle Sand	3213'-28'					
Salt Wash	3375'					

## REMARKS

DST's, lost circulation zones, water zones, etc., \_\_\_\_\_

Drilled w/air. No shows.

Approved by R. J. Firth Date 5-26-83 Time \_\_\_\_\_ a.m.  
p.m.

STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

July 13, 1983

Florida Exploration Company  
3151 South Vaughn Way, # 200  
Aurora, Colorado 80014

Re: Well No. Bull Canyon # 1-4  
Sec. 1, T. 20S, R. 21E.  
Grand County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office June 1, 1983, from above referred to well, indicates the following electric logs were run: DIL/SFL, & FDC/CNL. As of todays date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

*Cari Furse*

Cari Furse  
Well Records Specialist

CF/cf



*p&A*

July 19, 1983

State of Utah Natural Resources  
4241 State Office Building  
Salt Lake City, UT 84114

Attn: Ms. Cari Furse

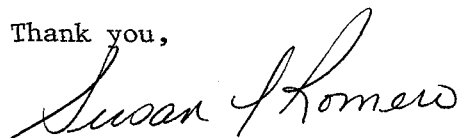
Dear Ms. Furse:

Enclosed please find copies of the following logs on the Bull Canyon #1-4 well in Grand Co., Utah, Sec. 1, T20S-R21E.

- 1) Dual Induction Laterolog
- 1) Laserlog
- 1) Compensated Density Compensated Neutron Log

Please sign one of the enclosed copies of this transmittal and return to this office for our files.

Thank you,



Susan J. Romero

FLORIDA EXPLORATION COMPANY

enclosures

**RECEIVED**  
JUL 22 1983

RECEIVED BY



DATE

7-22-83**DIVISION OF  
OIL, GAS & MINING**

Florida Exploration Company  
The Continental Group, Inc.  
3161 South Vaughn Way  
Suite 200  
Aurora CO 80014  
Telephone 303 696 7482